Claims

1. An 802.1X protocol-based multicasting control method, comprising the following steps:

Step 1: intercepting the request message for joining in a multicasting group sent by an authenticated subscriber;

Step 2: obtaining the port and MAC address of the subscriber from the intercepted message;

Step 3: searching corresponding subscriber account information from the authenticated data according to said port and MAC address;

Step 4: authenticating the subscriber's account number and multicasting IP address, and then adding the subscriber to the multicasting group if the authentication is passed successfully; otherwise the subscriber's request is rejected.

2. An 802.1X protocol-based multicasting control method according to claim 1, further comprising: the authentication server at 802.1X authentication end being utilized to authenticate the subscriber's account number and multicasting IP address.

3. An 802.1X protocol-based multicasting control method according to claim 2, wherein the authentications of subscriber's

account number and multicasting IP address are implemented through verifying whether the multicasting IP address is authorized to accept the subscriber with said account number.

4. An 802.1X protocol-based multicasting control method according to claim 1, wherein if said 802.1X is based on port authentication, when a subscriber attached to said port makes a request for joining in a multicasting group, the subscriber's MAC address is searched for first; if said MAC address is found, the subscriber's account number is searched for according to said MAC address and port number;

if said 802.1X protocol is based on MAC authentication, when a subscriber attached to said port makes a request for joining in a multicasting group, the subscriber's account number is searched for directly according to the subscriber's MAC address and port number.

5. An 802.1X protocol-based multicasting control method according to claim 1, 2, 3 or 4, wherein the subscriber joins in the multicasting group through IGMP protocol.